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#CRLIVE20
@CrossrefOrg

You are Crossref

Smart alone, brilliant together: Welcome to our annual meeting

#CRLIVE20

Crossref

@CrossrefOrg



Agenda

15:00	Settle in & and get comfy - Rosa Morais Clark
15:05	Opening of the Annual Meeting
15:10	The Big Picture - Ed Pentz
15:30	Community & Collaboration - Ginny Hendricks
15:50	Product Strategy & Roadmap - Bryan Vickery
16:10	Finance & Sustainability - Lucy Ofiesh
16:30	Annual Meeting & Board Election - Lucy Ofiesh & Emily Cooke
16:45	Wrap-up - Ed Pentz
17:00	Close

#CRLIVE20

Blog

3 minute read.

Meet the new Crossref Executive Director



Ed Pentz – 2020 July 23
In Member Briefing, Board, Strategy

It's me! Back in January I wrote, The one constant in Crossref's 20 years has been change. This continues to be true, and the latest change is that I'm happy to say that I will be staying on as Executive Director of Crossref. At the recent Crossref board meeting, I rescinded my resignation and the board happily accepted this.

What happened? Well, a lot has changed since I announced that I was leaving back in February. The pandemic has upended "business as usual" and everyone is rethinking pretty much everything. It's clear that as a result of the crisis, there will be greater economic pressure on our community. These are difficult times and they are going to continue for the foreseeable future.

Crossref Board Election

Tier 1, Small and mid-sized members

Member organization	Candidate standing	Country
Beilstein-Institut	Wendy Patterson	Germany
Korean Council of Science Editors	Kihong Kim	South Korea
OpenEdition	Marin Dacos	France
Scientific Electronic Library Online (SciELO)	Abel Packer	Brazil
The University of Hong Kong	Jesse Xiao	Hong Kong

Tier 2, Large members

Member organization	Candidate standing	Country
AIP Publishing	Jason Wilde	USA
Oxford University Press	James Phillpotts	UK
Taylor & Francis	Liz Allen	UK

If needed:

Email Lucy at lofiesh@crossref.org

The big picture

Ed Pentz, Executive Director (still)

Blog

2 minute read.

Helping researchers identify content they can text mine



Geoffrey Bilder – 2020 April 16
In Metadata, Community, APIs

TL;DR

Many organizations are doing what they can to aid in the response to the COVID-19 pandemic. Crossref members can make it easier for researchers to identify, locate, and access content for text mining. In order to do this, members must include elements in their metadata that:

- Point to the full text of the content.
- Indicate that the content is available under an open access license or that it is being made available for free (gratis).

Blog

Home > Blog > **Encouraging even greater reporting of corrections and retractions**

3 minute read.

Encouraging even greater reporting of corrections and retractions



Kirsty Meddings – 2020 March 30
In Content Registration, Crossmark, Metadata, Member Briefing

TL;DR: We no longer charge fees for members to participate in Crossmark, and we encourage all our members to register metadata about corrections and retractions - even if you can't yet add the Crossmark button and pop-up box to your landing pages or PDFs.

–

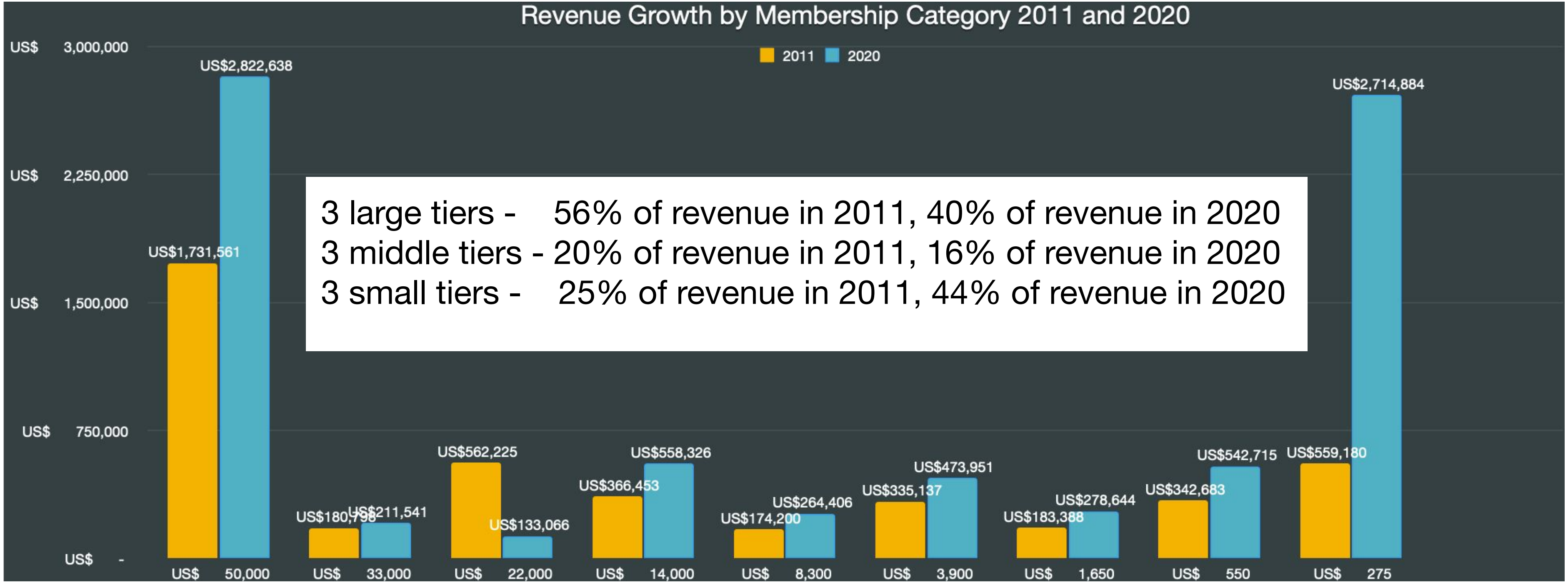
No fees for Crossmark: over 5,100 retractions and 78,000 corrections recorded

Consider participating in Crossmark and maintaining the scholarly record

How is Crossref doing?

- Grant identifiers rolling out - funders are joining
- Membership is still growing - 19% up on 2019; content is still growing - about 9% up on 2019
- Similarity Check transition successful
- Pivoted to virtual events which have been going very well
- 100% work from home - rethinking how we work
- Engage with members and the community and listen
- Budgeting conservatively for 2021 - lots of uncertainty

Smaller members now pay more collectively than the largest



3 large tiers - 56% of revenue in 2011, 40% of revenue in 2020
3 middle tiers - 20% of revenue in 2011, 16% of revenue in 2020
3 small tiers - 25% of revenue in 2011, 44% of revenue in 2020

Expansion of content, metadata and services

- Crossref has expanded content types: Books, Conference proceedings, Dissertations, **Grants**, Journals, Peer reviews, **Preprints**, Reports, Reviews, Working Papers, Standards
- Crossref has expanded its metadata with links and relationships: corrections & retractions, licenses, funding information, ORCID IDs, DataCite DOIs, preprint to VoR connections and soon - **ROR IDs for affiliations**.
- Services: updated Similarity Check; REST API; Metadata Plus, Event Data

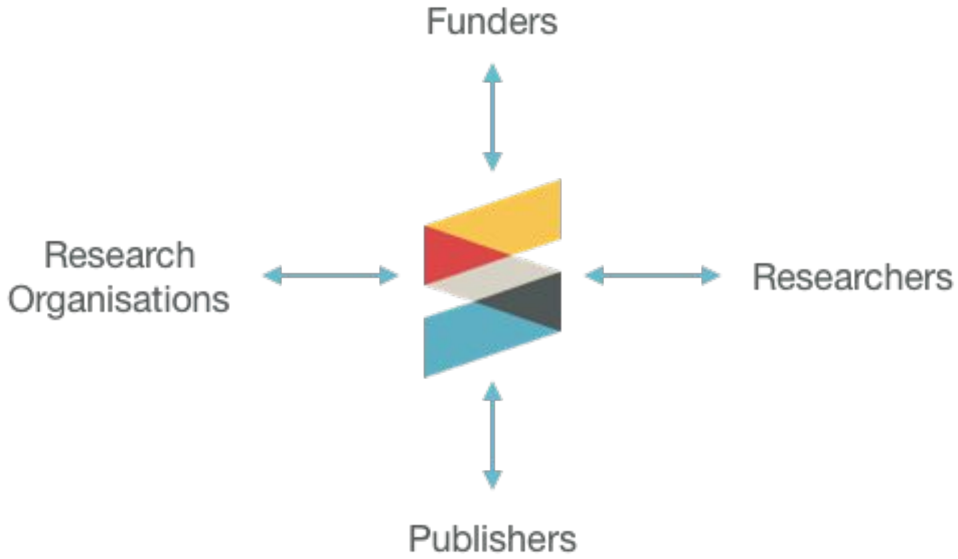
Content	As of Oct 2019	As of Oct 2020	% change
Total content items registered	**109,440,179**	**118,315,539**	**8%**
Number of journals	72,149	84,413	17%
Number of journal articles	79,777,806	84,288,893	6%
Number of books	1,380,292	1,501,062	9%
Number of book-related records	16,154,932	18,127,481	12%
Number of conference proceedings	68,280	74,987	10%
Number of conference papers	6,048,716	6,576,303	9%
Number of preprints	**209,304**	**528,183**	**152%**
Number of preprint-to-article links	**28,729**	**120,655**	**320%**
Number of reports	601,902	635,210	6%
Number of peer reviews	36,766	85,599	133%
Number of standards	302,891	318,331	5%
Number of components	3,862,214	4,619,503	20%
Number of databases	28,265	31,129	10%
Number of database-related records	1,866,629	1,967,199	5%
Number of dissertations	286,162	338,739	18%
Number of grants		**366**	**n/a**

Relationships

is-review-of	303,732
is-preprint-of	110,861
is-identical-to	87,085
has-preprint	66,103
is-comment-on	47,607
is-reply-to	37,565
has-review	37,401
has-reply	35,726
is-supplemented-by	27,260

Changing landscape: Crossref as an enabling infrastructure

Crossref is no longer just for the purpose of making bilateral relationships more efficient; our infrastructure is now helping efficiently manage n-dimensional multilateral relationships in a network of other identifiers, metadata and relationships.



The Research Nexus



20 2000 years 2020

CrossRef Update

Journal Reference Linking Service Names Executive Director, Board of Directors, New Members, and a "Go Live" Timetable

New York, N.Y. February 2, 2000. A group of leading scientific and scholarly publishers today announced the appointment of Ed Pentz as Executive Director of CrossRef, the collaborative reference-linking service announced on November 16, 1999. Mr. Pentz, who will be based in Burlington, Massachusetts, assumed his new position on February 1.

"The reference links enabled by CrossRef will be of great benefit to scientists. I am looking forward to moving ahead quickly to implement the service and to signing up more publishers so that CrossRef can be a comprehensive source for linking journal articles," said Mr. Pentz, who was previously Electronic Business Development Manager at Academic Press.

Mr. Pentz explained that CrossRef will be operated under the aegis of a not-for-profit organization jointly formed by the member publishers and recently incorporated as Publishers International Linking Association, Inc. (PILA). He also reported on the election of its Board of Directors, which includes Eric A. Swanson, John Wiley & Sons, Inc., Chairman; Pieter Bolman, Academic Press, Treasurer; Michael Spinella, AAAS; Marc Brodsky, American Institute of Physics; John R. White, Association for Computing Machinery; John Strange, Blackwell Science; John Regazzi, Elsevier Science; Anthony Durniak, IEEE; Jeffrey K. Smith, Kluwer Academic Publishers; Stefan von Holtzbrinck, Nature Publishing Group; Martin Richardson, Oxford University Press; and Ruediger Gebauer, Springer-Verlag.

According to Mr. Pentz, Cambridge University Press, Marcel Dekker Inc., the Royal Society of Chemistry, Portland Press, the American Mathematical Society, and the American Psychological Association have recently joined this innovative initiative, bringing the current total to 22 member publishers. Active discussions are underway with many more scientific and scholarly primary journal publishers to further broaden this industry-wide initiative.

A turning point is a time for reflection



Ed Pentz, Ginny Hendricks – 2019 November 09
In Members, Member Briefing, Community, Strategy

Crossref strives for balance. Different people have always wanted different things from us and, since our founding, we have brought together diverse organizations to have discussions—sometimes contentious—to agree on how to help make scholarly communications better. Being inclusive can mean slow progress, but we've been able to advance by being flexible, fair, and forward-thinking.

LIVE19 in Amsterdam, November 13-14, 2019

The theme for LIVE19—approaching the 20th anniversary of Crossref—was `Have your say` and it included an afternoon of scene-setting talks from Ed on our strategy and trends, and Ginny on research into the value of Crossref. They also set out some thoughts in the blog post A turning point is a time for reflection. We also heard flash talks on that same subject of the value of Crossref, in a session entitled "In their own words" from: Todd Toler of Wiley; Catriona Maccallum of Hindawi; Anna Danilova of Ukrinformauka; Christian Gutknecht of the Swiss National Science Foundation; and Ludo Waltman of CWTS at Leiden University.

Roundtable group workshops on the second day were designed around an extended annual report as a "fact file" which shows data and trends alongside key questions.

https://www.crossref.org/blog/a-turning-point-is-a-time-for-reflection/

Is Crossref

a scholarly infrastructure provider, or a publisher services organization?

"To promote the development and cooperative use of new and innovative technologies to speed and facilitate scientific and other scholarly research."

Community benefit

- New York state not-for-profit (non-stock, not commercial)
- Membership association - 1 member/1 vote
  - *open to any organization that publishes professional and scholarly materials and content* - organizations that publish (not just publishers)
- US IRS 501(c)6 tax exempt org
  - Imposes an obligation to provide benefit to the broader, non-member community
  - Benefits to members are incidental to the broader industry and community benefit

Board motions July 2020

1. That Crossref should proactively lead an effort to explore, with other infrastructure organizations and initiatives, how we can improve the scholarly research ecosystem. **Crossref is committed to the collaborative development of open scholarly infrastructure for the benefit of our members and the wider research community.**
2. That the exploration referenced in the foregoing resolution should consider a range of options looking at **operational, governance, technical, and product and service issues and how the organizations could take advantage of synergies, efficiencies, and opportunities for the benefit of the wider research community by working more closely together.**
3. Formed a Strategy Committee to take this forward.

ICYMI!

- “Collaborative development”
- “Open scholarly infrastructure”
- To benefit “the wider research community”
- Need to take advantage of synergies, efficiencies, and opportunities by working more closely together.
- All options considered: operational, governance, technical, and product and service issues
- There’s a Board/Leadership team Strategy Committee and lots of conversations going on

What is Open Infrastructure Organization?

Governance

- Coverage across the research enterprise
- Stakeholder Governed
- Non-discriminatory membership
- Transparent operations
- Cannot lobby
- Living will
- Formal incentives to fulfil mission & wind-down

Insurance

- Open source
- Open data (within constraints of privacy laws)
- Available data (within constraints of privacy laws)
- Patent non-assertion

Sustainability

- Time-limited funds are used only for time-limited activities
- Goal to generate surplus
- Goal to create contingency fund to support operations for 12 months
- Mission-consistent revenue generation
- Revenue based on services, not data

Guiding principles for current discussions

- More integrated and interoperable infrastructure to make things easier for researchers and organizations involved in scholarly research and communications.
- Work with infrastructure organizations with aligned missions
- Community governance - funders, institutions, publishers, researchers
- Self-sustaining, non-profit business models
- Neutrality and independence
- Open-source solutions and services
- Work in the most efficient way possible to reduce duplicative activities and processes

ROR

doi

hdl enabled

RAiD

ORCID

Connecting Research and Researchers

DataCite

FIND, ACCESS, AND REUSE DATA

SCHOLIX

CHORUS

Created by Logan
from Noun Project

CLOCKSS

oaswitchboard

Rationale

- COVID-related concerns:
  - Economic pressures expected to come
  - Everyone is trying to balance what's important and reassess priorities (both at home and work)
- Organizational fatigue - multiple membership orgs to support
- Need for greater efficiency - should some costs be centralised anyway?
- Common visions but as we differentiate each organization the message gets diluted
- We're each smart alone but we could be brilliant together

Crossref 2040?

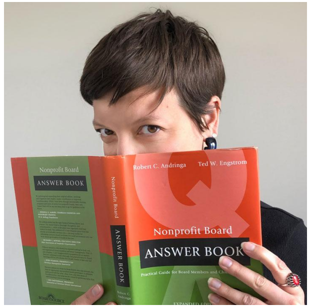
- Part of an integrated, efficient, sustainable, comprehensive, open, scholarly infrastructure where…..
- All research activities and outputs, researchers, and organizations have persistent identifiers and rich, standardized metadata expressing a network of relationships available through human and machine interfaces thereby enabling.....
- An open and broadly-governed research ecosystem making research outputs easy to find, cite, link, assess, and reuse, which will enable researchers to focus on research and advancing human knowledge

Q&A

Community & collaboration

Ginny Hendricks, Member & Community Director


Crossref



Robert C. Andringa
Ted W. Engstrom
Nonprofit Board
ANSWER BOOK



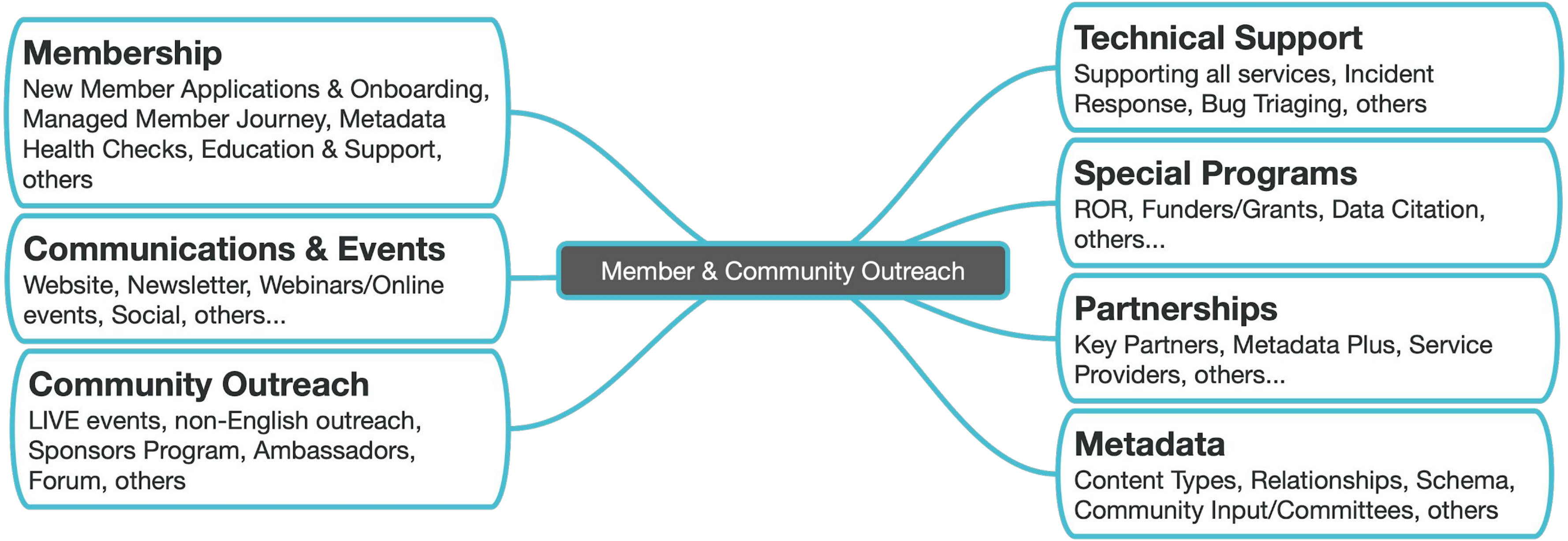


LIGHTS
CAMERA
ACTION







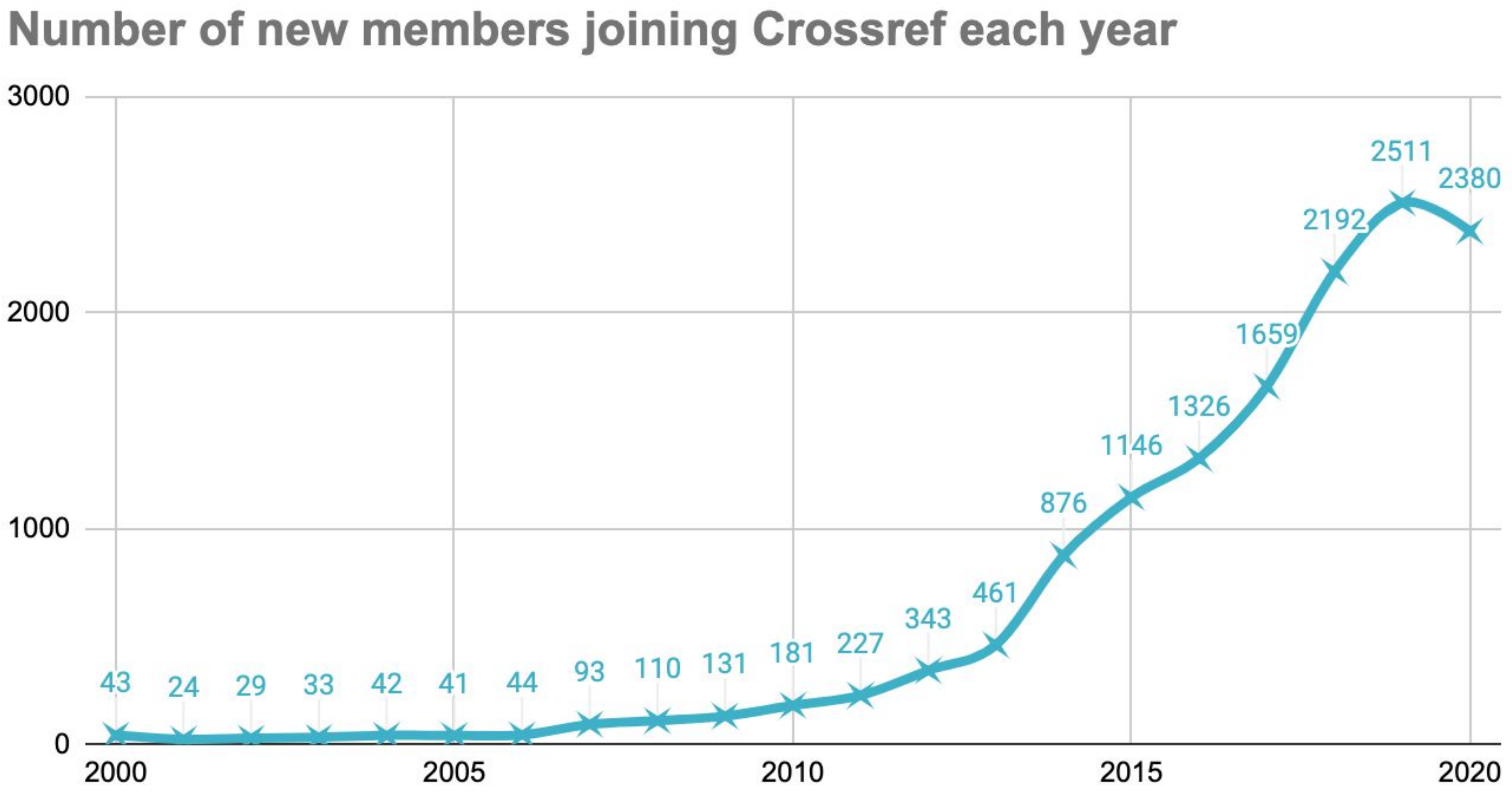

Member & Community Outreach
Membership
New Member Applications & Onboarding, Managed Member Journey, Metadata Health Checks, Education & Support, others
Communications & Events
Website, Newsletter, Webinars/Online events, Social, others...
Community Outreach
LIVE events, non-English outreach, Sponsors Program, Ambassadors, Forum, others
Technical Support
Supporting all services, Incident Response, Bug Triaging, others
Special Programs
ROR, Funders/Grants, Data Citation, others...
Partnerships
Key Partners, Metadata Plus, Service Providers, others...
Metadata
Content Types, Relationships, Schema, Community Input/Committees, others

Member Experience

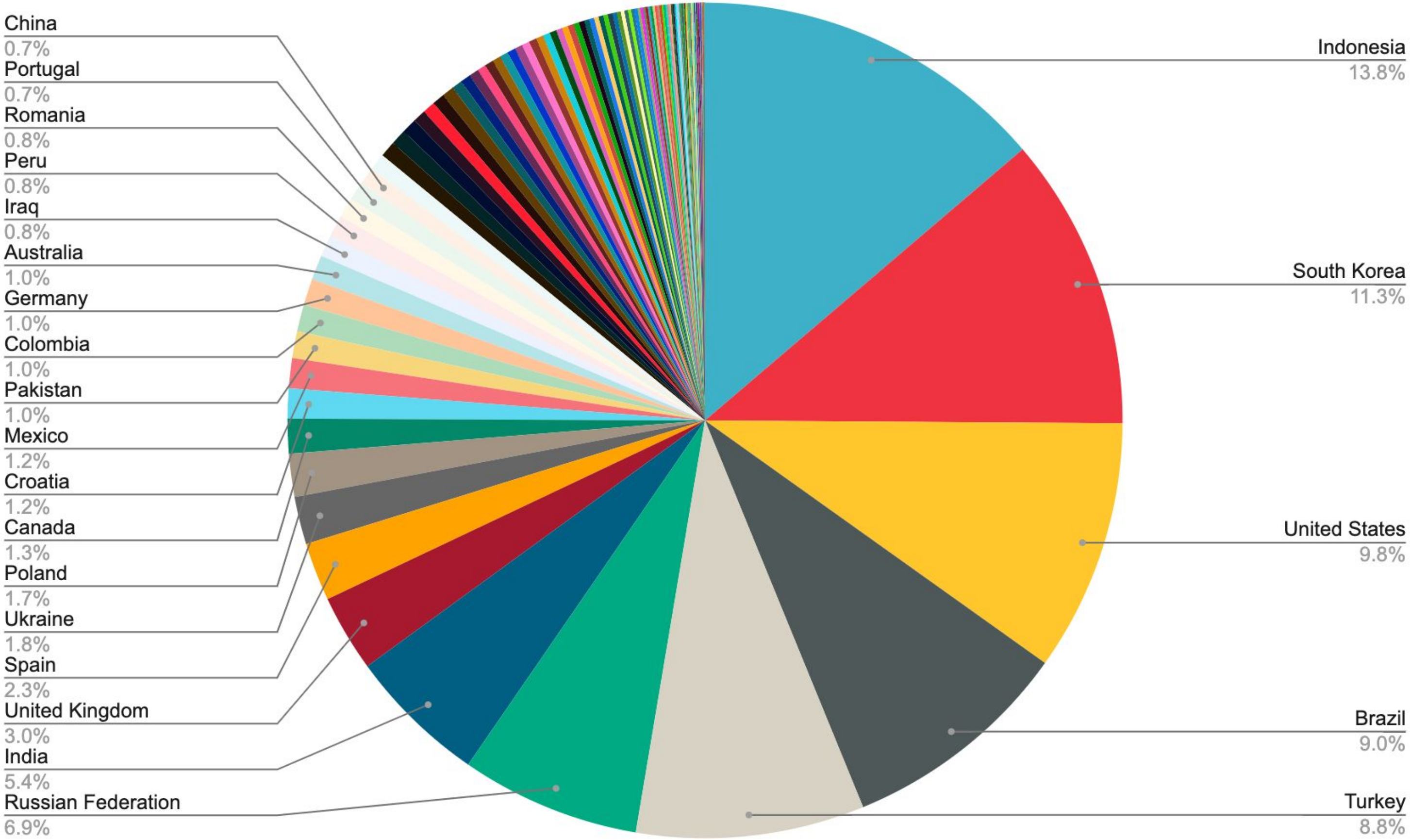
= a smooth experience in all interactions with Crossref

- Closer collaboration with product, tech, billing, legal
- Open support; automated Managed Member Journey from onboarding to levelling up; new education docs
- ~220 new members each month - handling huge growth, complex queries - using freelance support and improving efficiencies in application process
- Transitioned 99% of all Similarity Check participants to new service

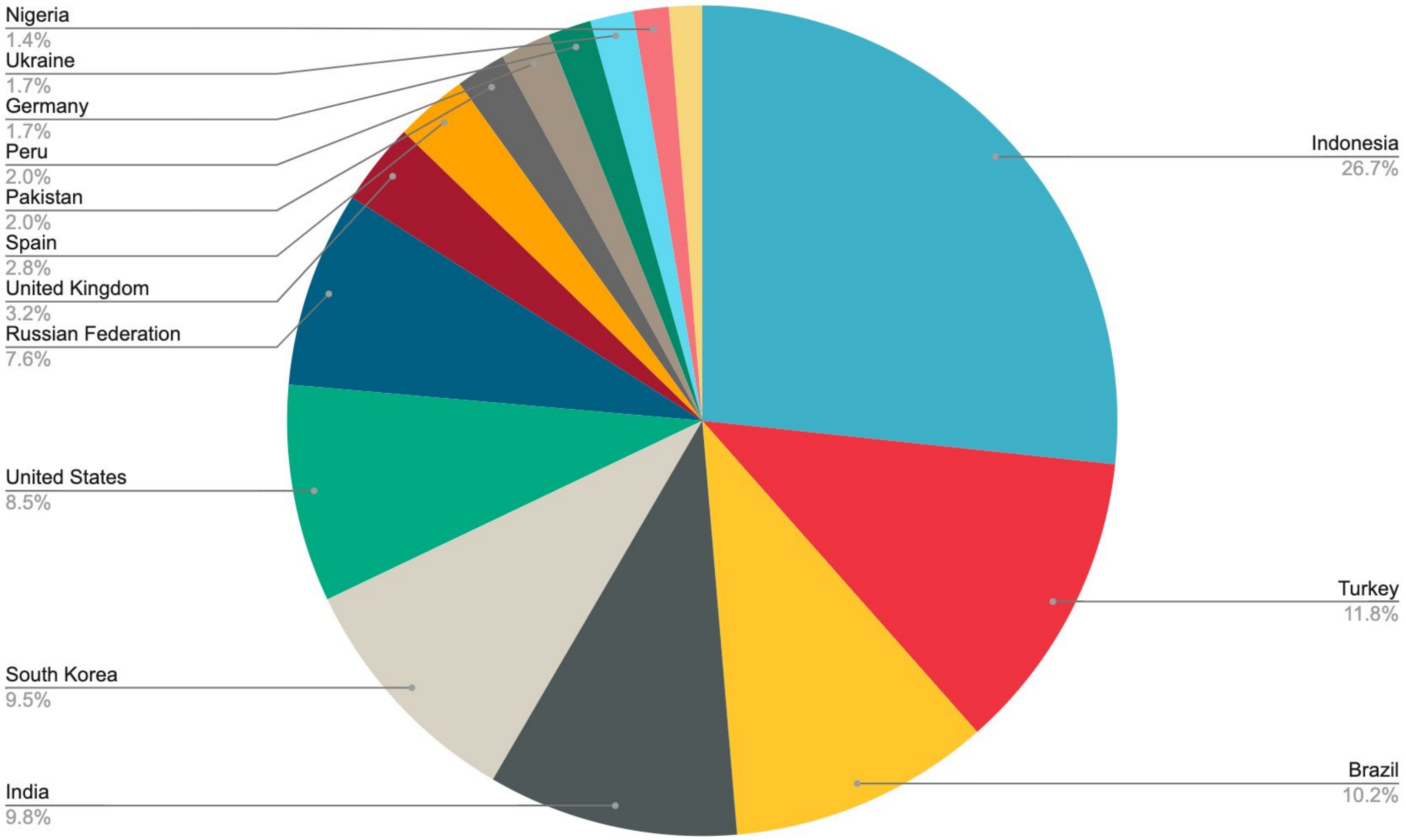

Aggregators
Manuscript tracking systems
Societies
University presses
Archives
Scholars
NGOs
Publishers
Government dept.
Authors
Museums
Faculties
Libraries
News agencies
Hosting platforms
Funders
Conference organizers
Pharma companies


Number of new members joining Crossref each year
3000
2000
1000
0
2000
2005
2010
2015
2020
43
24
29
33
42
41
44
93
110
131
181
227
343
461
876
1146
1326
1659
2192
2511
2380

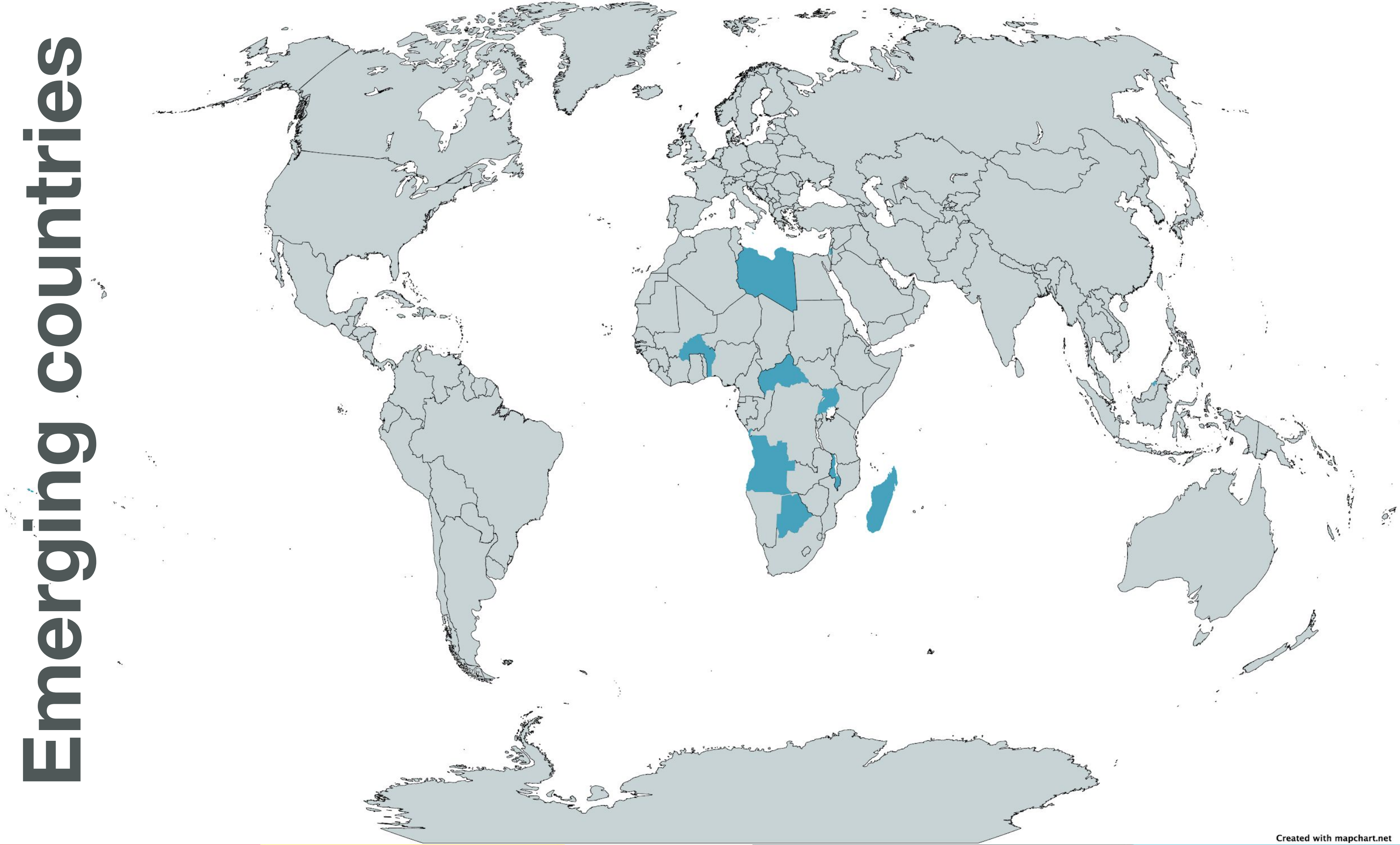
Member countries - total



Trending countries



Emerging countries



Created with mapchart.net

13 new countries joining in the last year

Angola
Benin
Botswana
Brunei Darussalam
Burkina Faso
Central African Republic
Libya
Madagascar
Malawi
Malta
Palestine
Samoa
Uganda

Sponsors

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African Journal of Political Sciences	Algeria

Asia Sponsoring Organizations	Country
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Airiti, Inc.	Taiwan
Aliansi Jurnal Ekonomi dan Bisnis Indonesia	Indonesia
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Association for Scientific Computing Electrical and Engineering (ASCEE)	Indonesia
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CleverMind Solutions Private Limited	India
Conferences.id	Indonesia
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EArticle	South Korea
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Informatics Publishing	India
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Korean Studies Information (KSI)	South Korea
Kyobobook Center	South Korea

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Infotegra S.A.S.	Colombia
Journals and Authors SAS	Colombia
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Kvantor Plus S.R.L.	Republic of Moldova
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LLC Scientific Publications	Ukraine
Lund University Library	Sweden
National Library of Armenia	Armenia
National and University Library of Bosnia and Herzegovina	Bosnia and Herzegovina
National and University Library in Zagreb	Croatia

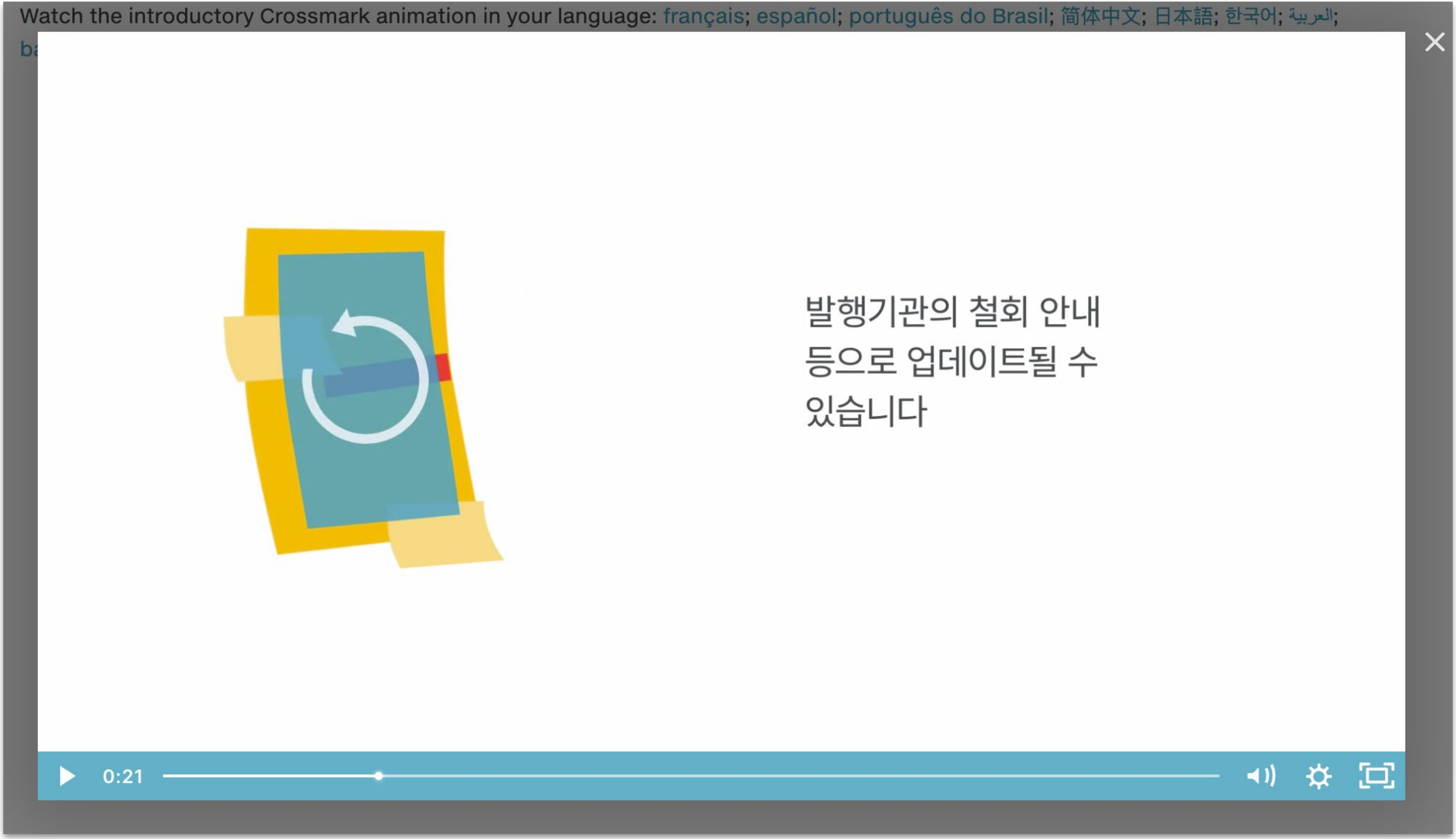
More sponsors

M2 Community	South Korea
MRI Publication Pvt. Ltd. (OPC)	India
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NEICON ISP	Russia, Belarus
Neliti	Indonesia
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Relawan Jurnal Indonesia	Indonesia
Publishing House for Science and Technology, Vietnam Academy of Science and Technology	Vietnam
Research and Social Study Institute (ReSSI)	Indonesia
Research Support Center	Uzbekistan
Scientific Research Solution Pvt. Ltd	India
Ubitech Solutions Pvt Ltd	India
Wanfang Data (ISTIC)	China

Middle East Sponsoring Organizations	Country
ASOS Publishing	Turkey
Avicenna FZ LLC	UAE
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Flaminyo Software	Turkey
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Yazilim Parki Bilisim Teknolojileri D.O.R.P. Ltd. Sti.	Turkey

Open Academia	Sweden
Open Access Scholarly Publishers Association (OASPA)	The Netherlands
Open Science in Ukraine	Ukraine
Prepress Projects, Ltd.	United Kingdom
Slovak Centre of Scientific and Technical Information - SCSTI	Slovakia
Stichting OpenAccess	Netherlands
URAN	Ukraine
Xercode Media Software, S.L.	Spain


Ambassador
Crossref



Watch the introductory Crossmark animation in your language: français; español; português do Brasil; 简体中文; 日本語; 한국어; العربية;
발행기관의 철회 안내
등으로 업데이트될 수
있습니다
0:21

Crossref
@CrossrefOrg

Crossref, @datacite y @ORCID_Org te invitan a este webinar en español para profundizar en el uso de las infraestructuras abiertas en el ciclo de investigación. ¡Únete a nosotros!

Translate Tweet

Crossref @CrossrefOrg · Sep 8

تمنح Crossmark الناشرين طريقة قياسية لإخطار تحديثات المحتوى المهمة ، فضلاً عن السماح بمشاركة بيانات التعريف الإضافية.

خلال هذه الندوة ، سوف نقدم ما يجب على الناشرين القيام به من أجل تنفيذ Crossmark ، بالإضافة إلى تقديم المتطلبات الفنية.

الرجاء التسجيل...

Crossref @CrossrefOrg · Sep 13

Присоединяйтесь к нам 16 сентября 2020 года, в 16:00 по Московскому времени, Россия (UTC +3), для участия в вебинаре об инструменте Crossref "Отчеты О Регистрации Метаданных". Вебинар проводится на русском языке.

Crossref @CrossrefOrg · Feb 17

Sizleri Türk Kütüphaneciler Derneği ile birlikte düzenlediğimiz Crossref LIVE Türkiye Online Webinarına davet ediyoruz. Webinarımız 18 Şubat 2020 Salı günü Türkiye saati ile 13:30'da (UTC+3) başlayacaktır. @tkdgenelmerkez bit.ly/31N93tH

community.crossref.org

Registro de Conteúdo na Crossref/Content Registration

Crossref Calendar crossref-events, content-registration

Susan Crossref Team 2 22d

A crise global gerada pela covid-19 nos impossibilitou de seguir com nossos já conhecidos eventos locais. Em contrapartida, estamos focando na execução de vários webinarsem diversos idiomas!

No dia 7 de outubro tivemos a chance de oferecer um evento virtual sobre Registro de Conteúdo na Crossref da Crossref em português (do Brasil), apresentado pelos embaixadores Bruna Erlandsson e Edilson Damasio.

Agradecemos a participação de todos e também as excelentes perguntas que foram realizadas do início ao fim!

A gravação da apresentação está disponível gratu
compartilhar com qualquer colega que não pôde p
uma cópia das Perguntas e Respostas (Q&A) trans

Slides do Webinar 2
Gravação do Webinar 3

Brazil Content Reg Q&A Report.xls (37.5 KB)

Planejamos oferece mais webinários em portuguê
por aqui, nos seguir no Twitter (**@CrossrefOrg**) ou e

Em caso de dúvidas, fiquem à vontade para postá

Muito obrigada!

Vanessa Leader

Crossmark gives publishers a standard way to communicate imp
additional metadata that can provide assurance and context. On
How-To webinar in Arabic.

This webinar covers what publishers need to do to implement Cr
provide an opportunity to ask questions. Mohamad Mostafa, Pub
Ambassador, explains the advantages of Crossref and how journ

You can access the recording and slides here:

- Recording
- Presentation Slides 2

We will be running more webinars in Arabic in future, check out our webinar page for more information on upcoming and past webinars.

يمنح كروس مارك الناشرين طريقة قياسية لإبلاغ التحديثات المهمة علي المحتوي، كذلك يتيح مشاركة بيانات وصفية إضافية مما يحقق الضمان والاتساق.

سنقوم من خلال هذه الندوة بعرض ما يتعين على الناشرين القيام به من اجل تطبيق كروس مارك، وكذلك التعريف بالمتطلبات التقنية، كما ستتاح فرصة لتلقي أسئلتكم.

- شرائح باور بوينت لحلقة النقاش 2
- تسجيل صوتي لحلقة النقاش

سوف نقوم بعقد حلقات نقاشية أكثر في المستقبل باللغة العربية، تفضلوا بزيارة موقعنا لمزيد من المعلومات حول حلقاتنا النقاشية السابقة والقادمة webinar

---

jhchang Ambassadors Jun 23

세계 보건 위기로 인해 대면 교육행사를 진행할 수 없게 되어, Crossref는 다양한 언어로 온라인 LIVE 행사를 진행하고 있습니다. 6월 17일에는 한국어로 온라인으로 행사를 열었으며, 장재화 Crossref 한국 대사가 발표를 맡았습니다.

웨비나는 2시간 동안 진행되었고, 다음의 내용을 다루었습니다:

- Crossref에 컨텐츠 등록하기
- Participation reports (Crossref 회원들이 어떤 메타데이터를 기탁하고 있는지 보여주는 신규 서비스)
- 메타데이터의 변경/수정 또는 세부정보 추가 등의 메타데이터 업데이트 하기
- 그 외 Crossref 서비스의 소개 및 문제 발생 시 해결법

행사에 참석해주신 분들께 감사드리며, 당일 해주신 훌륭한 질문에도 감사드립니다.

영상 녹화와 프리젠테이션 슬라이드는 참석하지 않으신 분이라도 누구나 보실 수 있으며, 더불어 Q&A박스에 오고 간 내용도 익명처리한 후 아래에 링크하였습니다.

LIVE Korea 2020 - Q&A Report.csv 5 (3.1 KB)

앞으로도 한국어 웨비나를 개최할 예정이오니, Crossref 소식이나 행사에 관한 정보를 원하시면 트위터 @CrossrefOrg를 팔로우하시거나, the webinars나 meet-up 페이지를 방문해주세요.

의견이나 질문이 있으시면 이곳에 자유롭게 남겨주세요. 영어, 한국어 모두 환영합니다.

감사합니다.

바네사

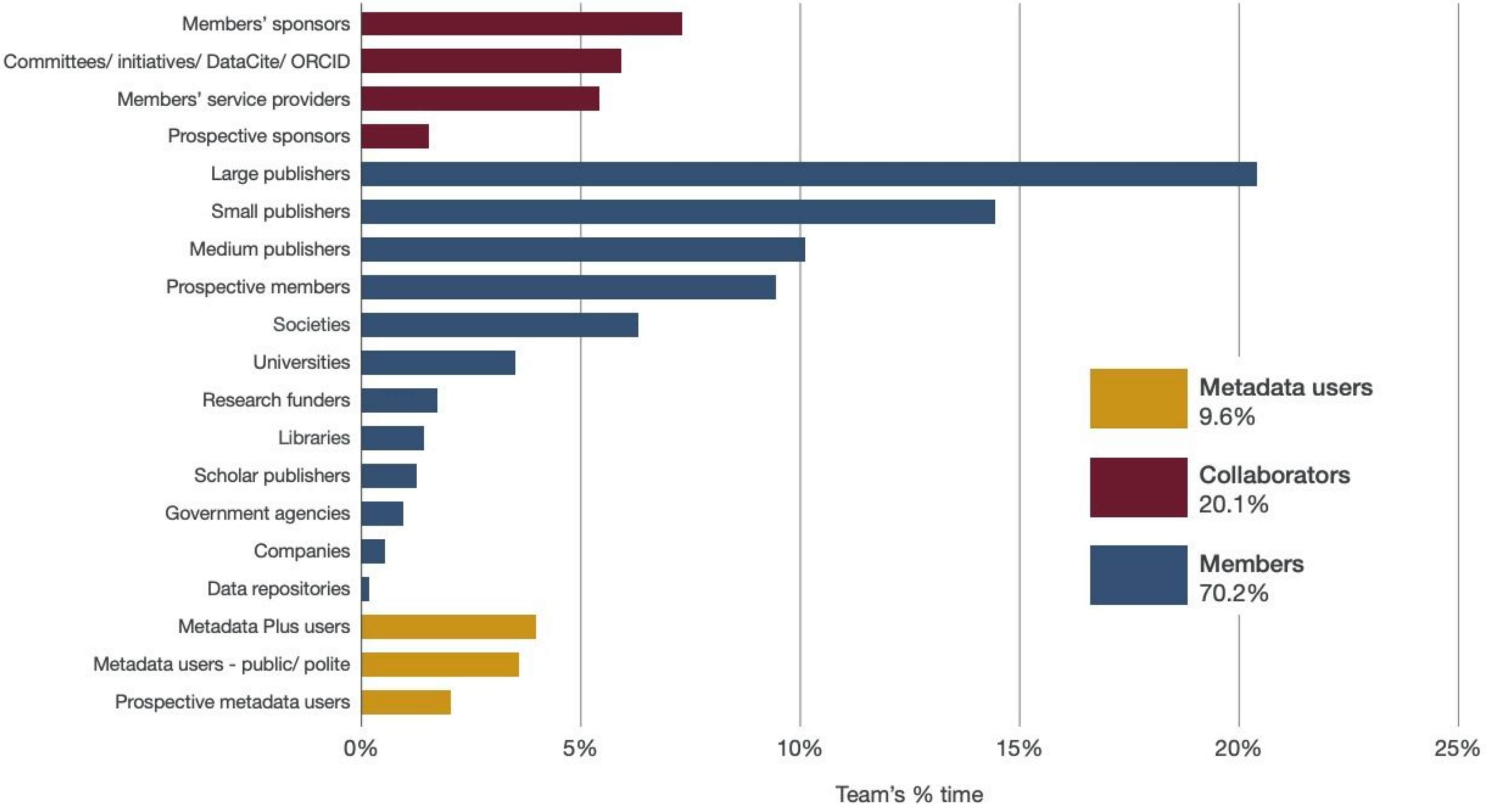
Typical member - 2010	Typical member - 2020
Has 100,000+ DOI records	Has 100 DOI records
Joined directly and publishes for many societies	Joined via a Sponsor
First language is English	First language other than English
Uses direct content registration route	Uses manual content registration routes
Is self-hosted or on a large platform	Is hosted on OJS
Is a company or large society	Is an individual scholar or university
Publishes mostly journals	Also proceedings, preprints, reviews, books
Complex technical support issues	Basic technical support issues

Helping publishers with their metadata, one error at a time!



- Support tickets, forum, twitter, stackx, reddit, etc.
- Metadata health checks
- A new 1:1 program for systemic issues
- Research & analyses
- Tools, dashboards, reports

Average time spent by constituency – detailed

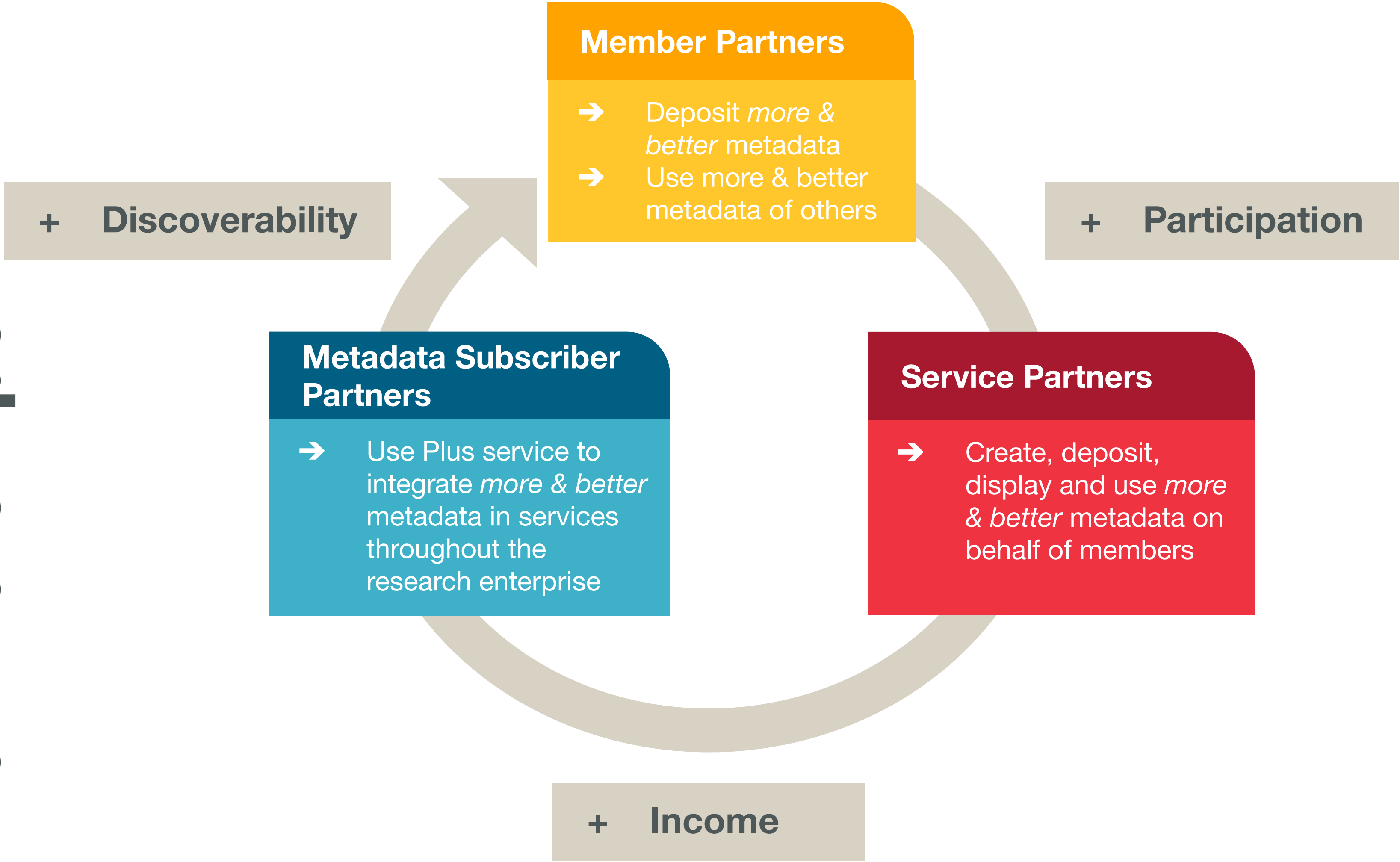


Metadata strategy

- Metadata Practitioners Interest group
- Crossref Schema 5.0 - ROR, CRediT
- JATS, JATS4R, ONIX
- New needs - content types; relations;
- Observing workflow trends (grants, reviews, versions, translations, retractions, data, provenance)
- Work closely with Product to ensure end-to-end approach



Partnerships



Nudges toward greater community inclusivity

2017 Mission statement updated: “Make **research outputs** easy to find, cite, link, assess, and reuse […] “to make **scholarly communications** better”.
First board slate with an contested seat.

2018 Membership definitions updated: “organizations that **produce** content”; content is...“professional and scholarly **materials**”.
Board rebalanced for size; divided into small/large tiers.

2020 Membership & Fees committee updated to includes a funder, a sponsor, a platform - in addition to small & large publishers.

Membership & Fees Committee

Assessed revenue diversification in 2019. 60% of revenue from content registration - lots of diversity within that

Removed Crossmark fee. Larger members seeing an annual fee reduction of up to 18%

Focus on incentivising best practice where best practice is the Research Nexus

Special Programs (NEW)

Expansion of:

Content
Metadata
Services

+

Community

Grants

Paint a richer picture of research support

Maintain a healthier research environment

Provide easier, more accurate analysis

By supporting the registration of openly-available metadata on grants and identifiers that will track through the research process.

Grants

10.47486	Australian Research Data Commons (ARDC)	17
10.37717	James S. McDonnell Foundation	30
10.37807	Gordon and Betty Moore Foundation	81
10.35802	Wellcome	238

JSMF

Funded Grants

- Home
- About
- Funding Areas
- Grants Awarded
  - Recent Grants
  - Search Grants
  - Grant Map
  - Legacy Grants
  - Grantee Resources
- Meetings
- ? FAQ



Grantee: **Washington University in St. Louis**, St. Louis, MO, USA

Researcher: Jeffrey Zacks, Ph.D. with collaborator Professor Simon Dennis

Grant Title: Event Cognition in the Wild

https://doi.org/10.37717/2020-1143

Program Area: Understanding Human Cognition

Grant Type: Opportunity Awards

Amount: $250,000

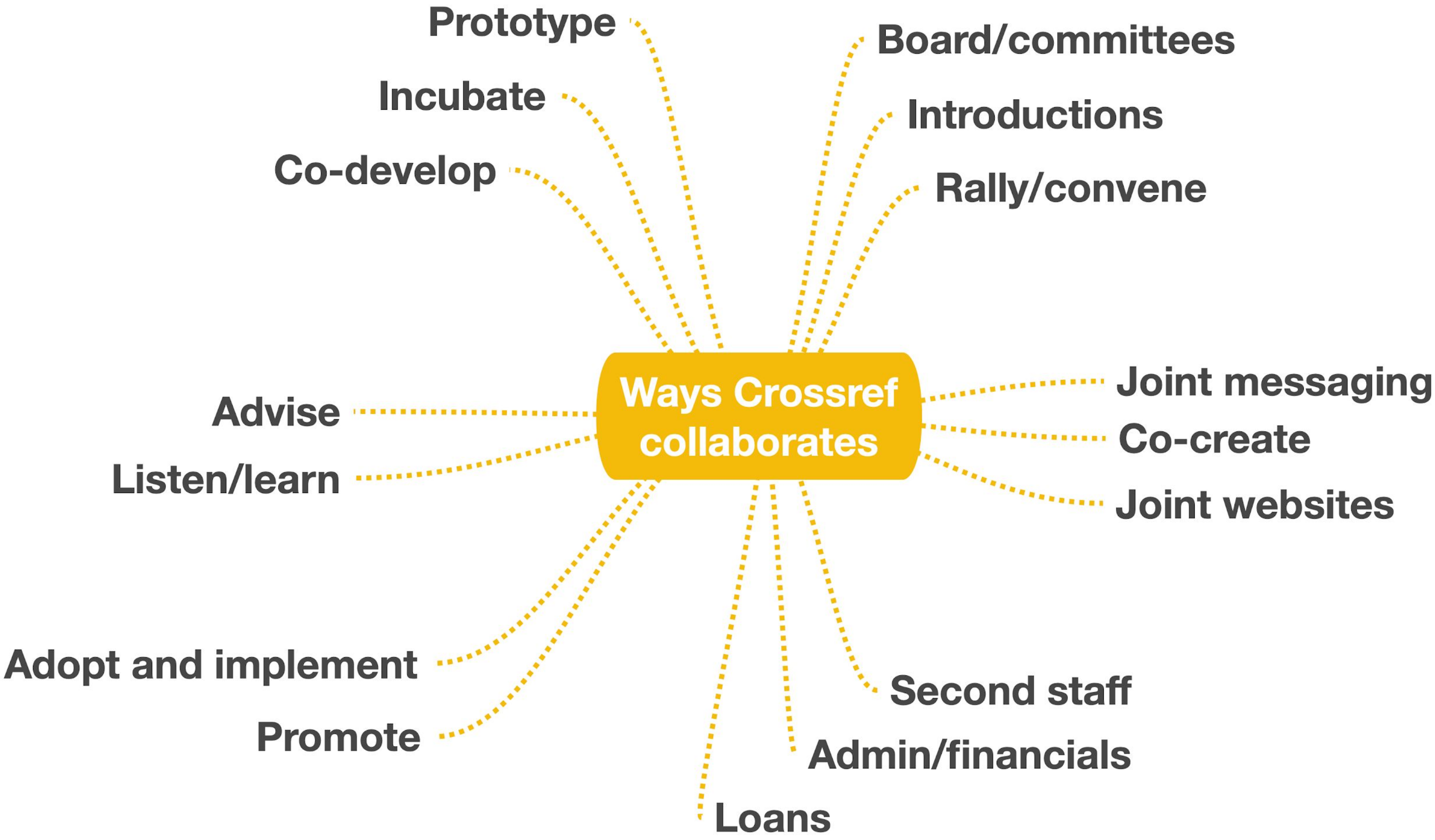
Year Awarded: 2020

Duration: 4 years

Event Cognition in the Wild

Events are the fundamental building blocks of human experience, and they are the things we remember when we look back at our lives. Over the last 20 years, the scientific field of event cognition has seen dramatic growth in explaining how the mind and brain deal with brief, simple everyday events. A major catalyst has been the ability to present complex video, text and VR stimuli while measuring behavior and brain activity. We have already seen payoffs in clinical science and information technology.




Ways Crossref collaborates
Prototype
Incubate
Co-develop
Board/committees
Introductions
Rally/convene
Advise
Listen/learn
Joint messaging
Co-create
Joint websites
Adopt and implement
Promote
Second staff
Admin/financials
Loans

The concept of ‘community’

1. **Affinity**: a kinship of interest; high levels of sharing
2. **Collectivism**: cohesiveness among individuals; prioritization of the group over the self; common values and goals
3. **Community of practice**: sharing a concern or a passion for something we do; interact regularly; learn how to improve.
4. **Membership**: belongingness and relating to others
5. **Influence**: mattering, making a difference to the group, the group makes a difference to its members
6. **Reinforcement**: integration and fulfillment of needs

The nature of ‘collaboration’

- Working with other people
- Give and take - listening, disagreeing but respecting
- Pooling resources
- Sharing skills
- Producing something together
- Personal commitment
- It’s about people, and relationships, - which also means it’s about trust.

CSCCE

TRANSMISSIVE | TRANSACTIONAL | TRANSFORMATIONAL

Community Participation Model

convey/consume | contribute | collaborate | co-create



champion

INTERACTIONS	one-to-many	crowdsourced	cooperative	community-led
COMMUNITY MANAGEMENT GOAL	inform and inspire	obtain feedback, skills, or information	gather resources, including knowledge, to achieve a common goal	create something new together
COMMUNITY ACTIVITIES	read watch listen	comment vote / like tag	discussion knowledge exchange production	integration and synthesis multi-directional learning co-production
POWER BALANCE	organization as expert	organization as convenor	scaffolded cooperation	mutual sharing and learning; (near) equity
SLOGAN	here's something interesting	give us some feedback	how can we work together?	what shall we do next...?

CSCCE.ORG

Current Collaborators - technical and/or community integrations

UC3
UC Curation Center

FREYA

DataCite
FIND, ACCESS, AND REUSE DATA

PKP
PUBLIC KNOWLEDGE PROJECT

<J4R>
JATS FOR REUSE

oaswitchboard

METADATA 2020

doi

SCHOLIX

NISO

ROR

PID apalooza

ABSTRACTS

turnitin

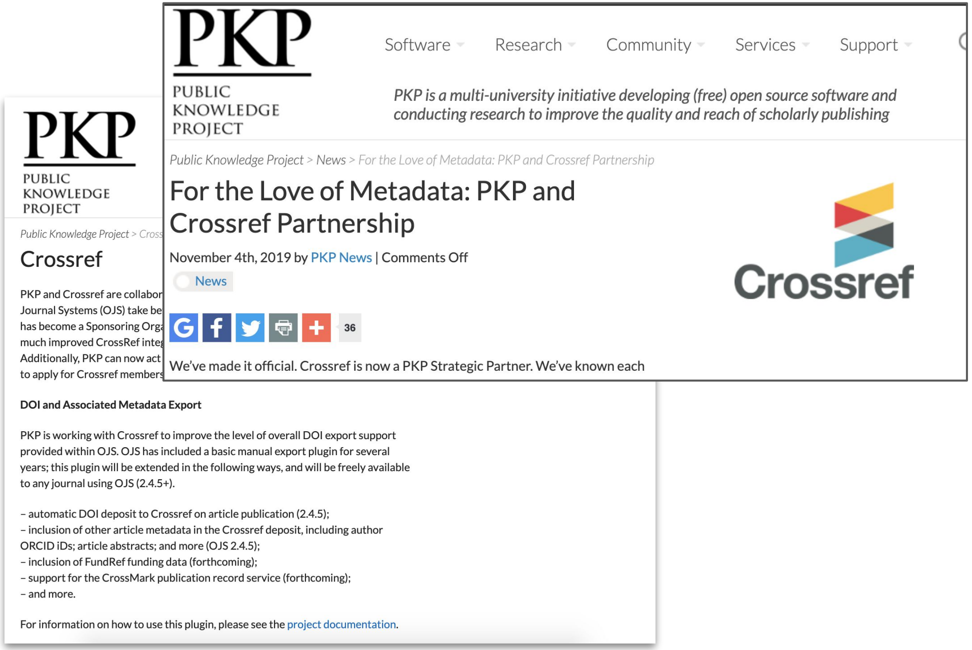
CRT

MAKE DATA COUNT

Crossref Event Data

ORCID
Connecting Research and Researchers

PKP partnership & integration



PKP PUBLIC KNOWLEDGE PROJECT

Public Knowledge Project > Cross

Crossref

PKP and Crossref are collabor
Journal Systems (OJS) take be
has become a Sponsoring Org
much improved CrossRef integ
Additionally, PKP can now act
to apply for Crossref members

DOI and Associated Metadata Export

PKP is working with Crossref to improve the level of overall DOI export support provided within OJS. OJS has included a basic manual export plugin for several years; this plugin will be extended in the following ways, and will be freely available to any journal using OJS (2.4.5+).

– automatic DOI deposit to Crossref on article publication (2.4.5);
– inclusion of other article metadata in the Crossref deposit, including author ORCID iDs; article abstracts; and more (OJS 2.4.5);
– inclusion of FundRef funding data (forthcoming);
– support for the CrossMark publication record service (forthcoming);
– and more.

For information on how to use this plugin, please see the project documentation.

PKP PUBLIC KNOWLEDGE PROJECT

Software Research Community Services Support

PKP is a multi-university initiative developing (free) open source software and conducting research to improve the quality and reach of scholarly publishing

Public Knowledge Project > News > For the Love of Metadata: PKP and Crossref Partnership

For the Love of Metadata: PKP and Crossref Partnership

November 4th, 2019 by PKP News | Comments Off

News

36

Crossref

We've made it official. Crossref is now a PKP Strategic Partner. We've known each

Work starting soon to:

- Simplify general DOI management
- Simplify Crossref registration/status management
- Consolidate Funding Data and Reference Linking plugins into Crossref plugin

Next:

- Cited-by
- Crossmark

Data sharing & citation

A heady combination of:

- Developing our schema to better support data citation
- Stabilising Event Data & adding relationship metadata
- Collaboration with:
    - DataCite
    - RDA Scholarly Link Exchange Working Group (Scholix)
    - STM’s Research Data Year
    - Make Data Count

Member adoption and systems integration (including our own systems)

Publishers, are you ready to ROR?



Maria Gould – 2020 August 25
In Collaboration, Identifiers, Organization Identifier, Infrastructure, Community

If you manage a publishing system or workflow, you know how crucial—and how challenging!—it is to have clean, consistent, and comprehensive affiliation metadata. Author affiliations, and the ability to link them to publications and other scholarly outputs, are vital for numerous stakeholders across the research landscape. Institutions need to monitor and measure their research output by the articles their researchers have published. Funders need to be able to discover and track the research and researchers they have supported. Academic librarians need to easily find all of the publications associated with their campus. Journals need to know where authors are affiliated so they can determine eligibility for institutionally sponsored publishing agreements.

Applications for affiliation metadata:
Peer review conflicts of interest & reviewer selection; management of APCs; research office reporting of published outputs, funding; and more.

Without open metadata

ZERO HUNGER

will take longer



Q&A

Product development

Bryan Vickery, Product Director

Product team



Sara
Bowman

Content registration

Registration methods
Reports
Membership data
Access control



Kirsty
Meddings

Scholarly stewardship

Similarity Check
Crossmark
Participation reports
Multiple resolution
Co-access
Funder registry



Martyn
Rittman

Scholarly impact

Event Data
Cited-by
Distributed usage logging
Preprints



Patrick
Polischuk

Metadata retrieval

Crossref APIs
Crossref search
ORCID Autoupdate



Rakesh
Masih

UX/UI leadership

‘Admin center’

Tech team







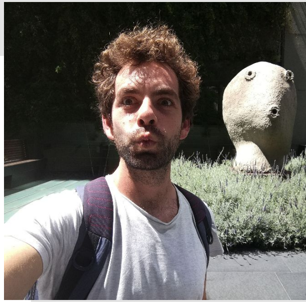












Strategic product reviews

Reviews

- understand / gather data
- get user feedback
- evaluate success
- promote services to those not using them
- stop doing things we shouldn't be doing so we can focus more on things we should

Led to

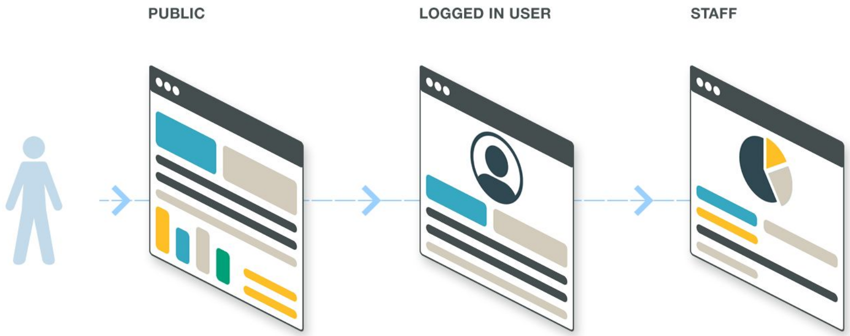
- Reinvigorated working groups
- Outcomes driven approach to product prioritisation
- Improved processes and sprint planning

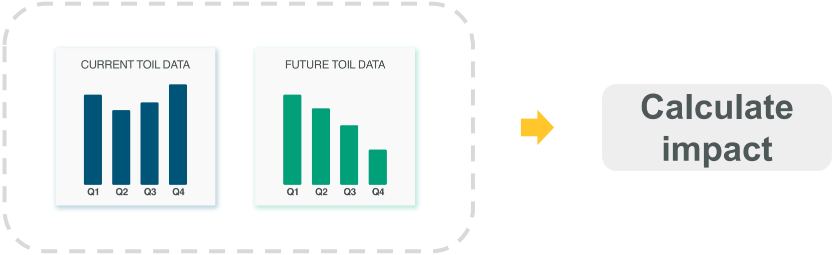
In order to...

- Make it easier and more efficient for members to work with Crossref
- Improve quality & completeness of metadata for all

Simplify existing services

- Towards a unified Crossref experience
    - A lot of reports
    - A lot of interfaces
    - A lot of apps
    - A lot of support requests



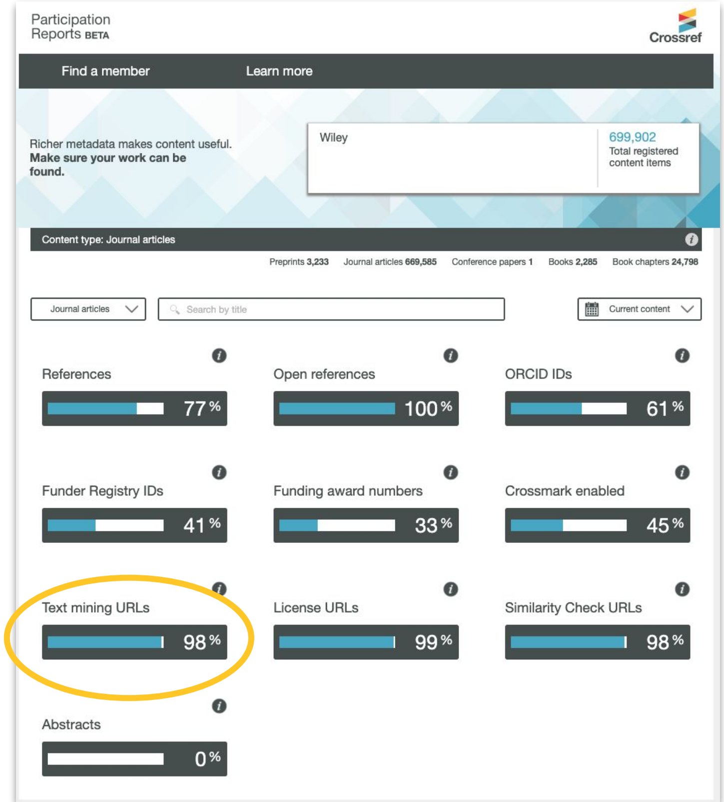


Your input is vital

- By email or via the Support Team
- Community Forum (https://community.crossref.org)
- Surveys
- Testing groups
- https://gitlab.com/crossref

Simplify existing services

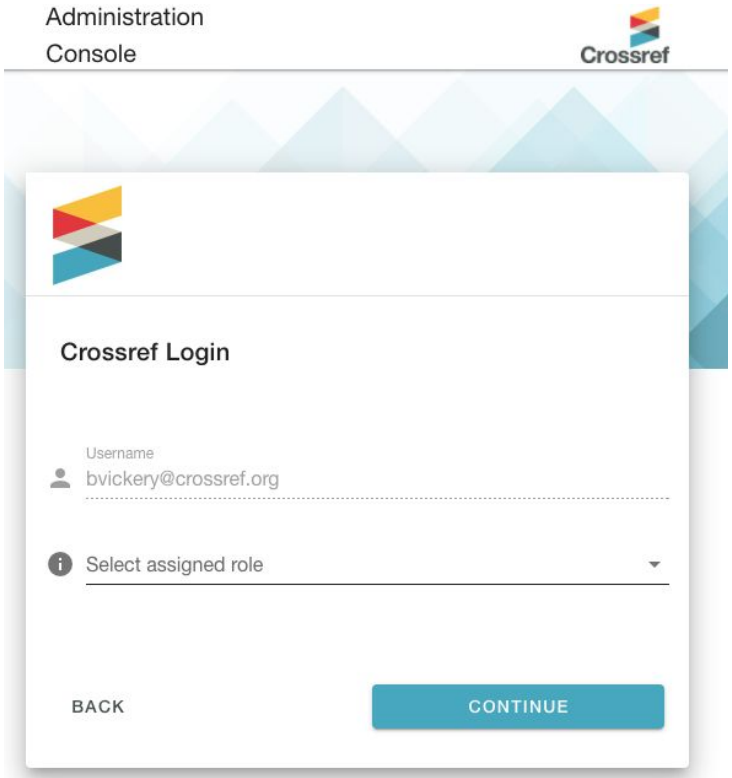
- Evolving our support for text-and-data mining
    - 38m works from +700 members have TDM license details
    - ‘Free to read’ - 85,000 works
    - Sunsetting ‘TDM Click through service’
        - TDM license registry
        - 2 publishers
        - 300 user tokens



Improving services

User credentials

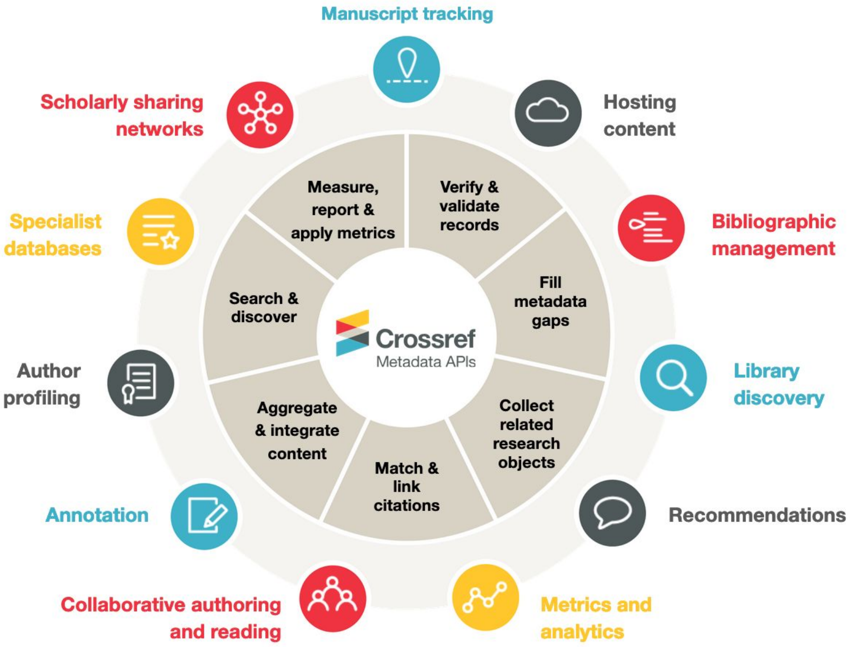
- Layering user credentials on to Crossref system accounts



Improving services

REST API

- Migration from SOLR to Elasticsearch
- Grants



Improving services

Similarity Check

Crossref's Similarity Check service is used by our members to detect text overlap with previously published work that may indicate plagiarism of scholarly or professional works.

- Transition to new agreement nearly complete
- v2 of iThenticate
  - Currently testing for 'native' users
  - Integration with manuscript tracking systems
- Member obligation: 90% Similarity Checking URLs
- Preprint / Manuscript similarity scores

Improving services

Funder registry

- Latest release includes 25,000 funders!
- Moving to continuous updates


Article
Article
Article
Article
Data & software
Preprints
Protocols
Videos
Conference papers
Published peer reviews
Article
Article
Article
Article

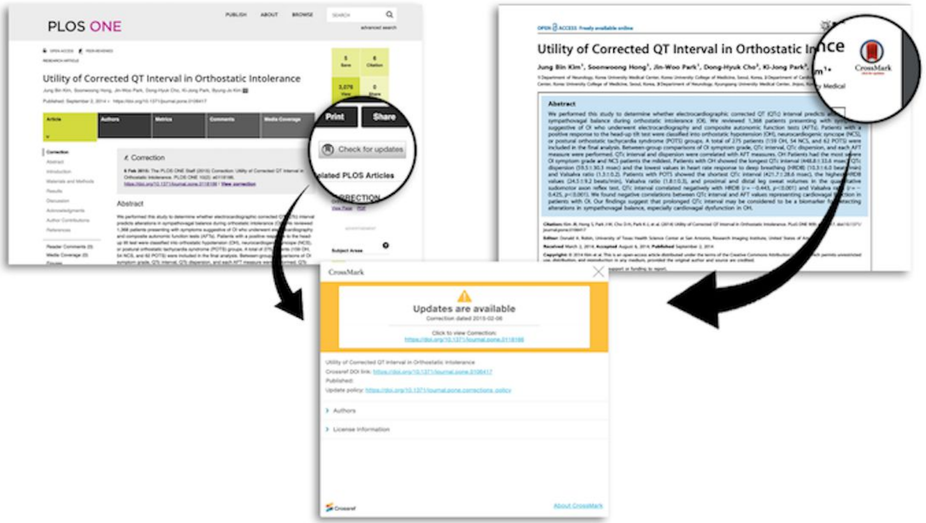
Improving metadata

Crossmark

- Crossmark fees have been removed to encourage greater participation

Works with Crossmark metadata up 1.5 million since change
+12%

Almost 150,000 works with an update - mainly ‘correction’
+12%



https://www.crossref.org/blog/encouraging-even-greater-reporting-of-corrections-and-retractions/

Improving metadata

Peer reviews

- Extending to other content types including books, book chapters, preprints
- Today!

Author relationships

ORCID Autoupdate

Statistic	All time to October 2020		August - October 2020
Total ORCID/article pairs	8,875,476		
Total unique ORCIDs	2,906,882		
Total works pushed	4,774,720		642,067
Authors granting	1,380,245	47%	58%
Authors denying	615,839	21%	9%
Authors not responding	926,481	32%	33%

Improving metadata

I4OA - the Initiative for Open Abstracts

- All time, all works: 7.1%
- All time, journal articles: 9.0%
- 2.5m more abstracts than at the start of 2020
- 2020, journal articles: 25.4%
  - View your Participation Report
  - https://www.crossref.org/members/prep/

Coming up

- Schema changes to support ROR, CRediT

Cited-by

Cited-by allows Crossref members to find out who is citing their content. Members can then display the counts and link to the citing content on their own work. Cited-by counts are publicly available, but only the member can see the details of which sources are citing their works.

has-references

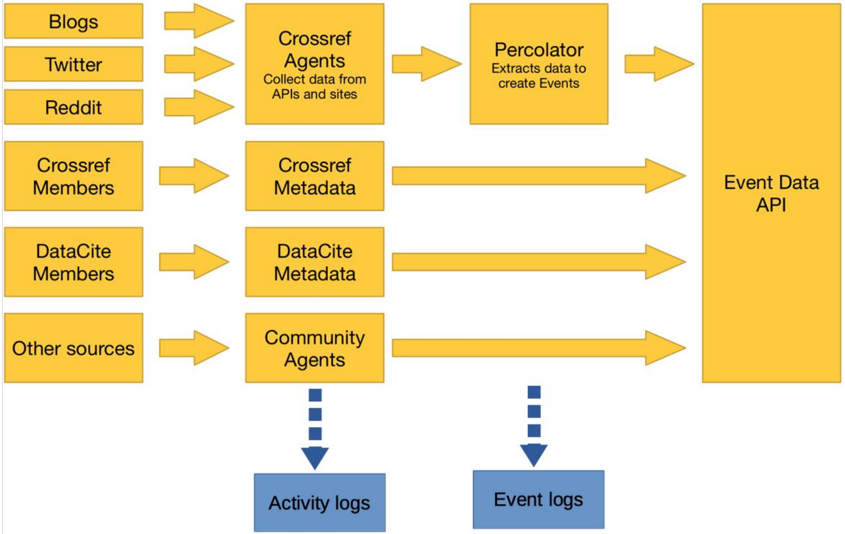
52,562,557

1,096,471,564 cited-by links

Collaborating with others

- Event Data



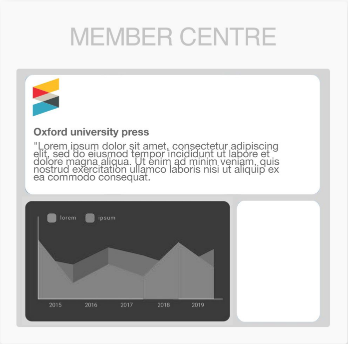


What's coming up… in 2020

1. Finalise:
   a. Similarity Check / iThenticate v2 roll-out
   b. Peer reviews for content types like Preprints
   c. REST API migration, followed by exposing Grant information
   d. Schema updates, ROR / CRediT
2. Introducing 'user credentials'
3. Develop the 'Admin center' proposal and seek feedback
4. Sunsetting TDM Click through service (at year end)
5. A 2021 public roadmap

What’s coming up… in 2021

Phase 1 (MVP)



Phase 2



Phase 3



Improving metadata

Public Metadata Quality feedback

```
Date published?
"2105": 20,
"2106": 35,
"2107": 6,
"2108": 20,
"2109": 12,
"2114": 29,
"2115": 24,
"2116": 16,
"2117": 5,
"2121": 5,
"2200": 1,
"2203": 20
```

Multilingual metadata

Journal articles

All time

	lang	count	percent
0	en	2045	0.82
1	de	132	0.05
2	fr	66	0.03
3	ro	32	0.01
4	es	26	0.01
5	Undetectable	24	0.01
6	it	23	0.01
7	pt	21	0.01
8	af	17	0.01
9	ca	17	0.01

Last 12 months

	lang	count	percent
0	en	1887	0.79
1	de	104	0.04
2	es	61	0.03
3	pt	51	0.02
4	fr	46	0.02
5	id	37	0.02
6	ar	27	0.01
7	ro	19	0.01
8	it	14	0.01
9	tr	14	0.01

We are setting up a small group to look at how to support multilingual metadata better

Q&A

Finance & sustainability

Lucy Ofiesh, Finance & Operations Director

Finance & operations team



Amy
Bosworth

Accounts Receivable Manager

Laura
Cuniff

Billing Support Specialist



Lindsay
Russell

HR Manager



Maria
Sullivan

Supervising Accountant



Ryan
McFall

Financial Controller



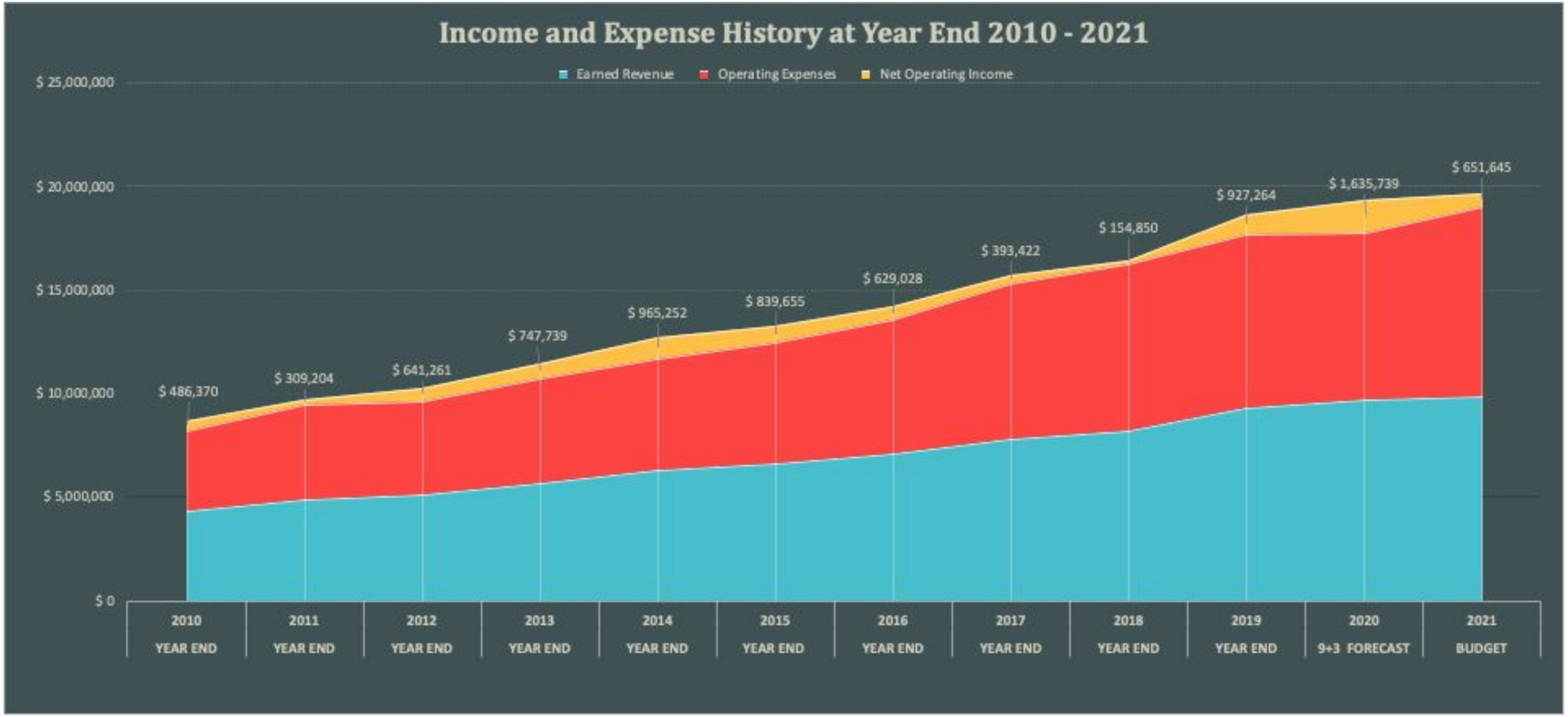
Shayna
Mullen

Accounting Clerk

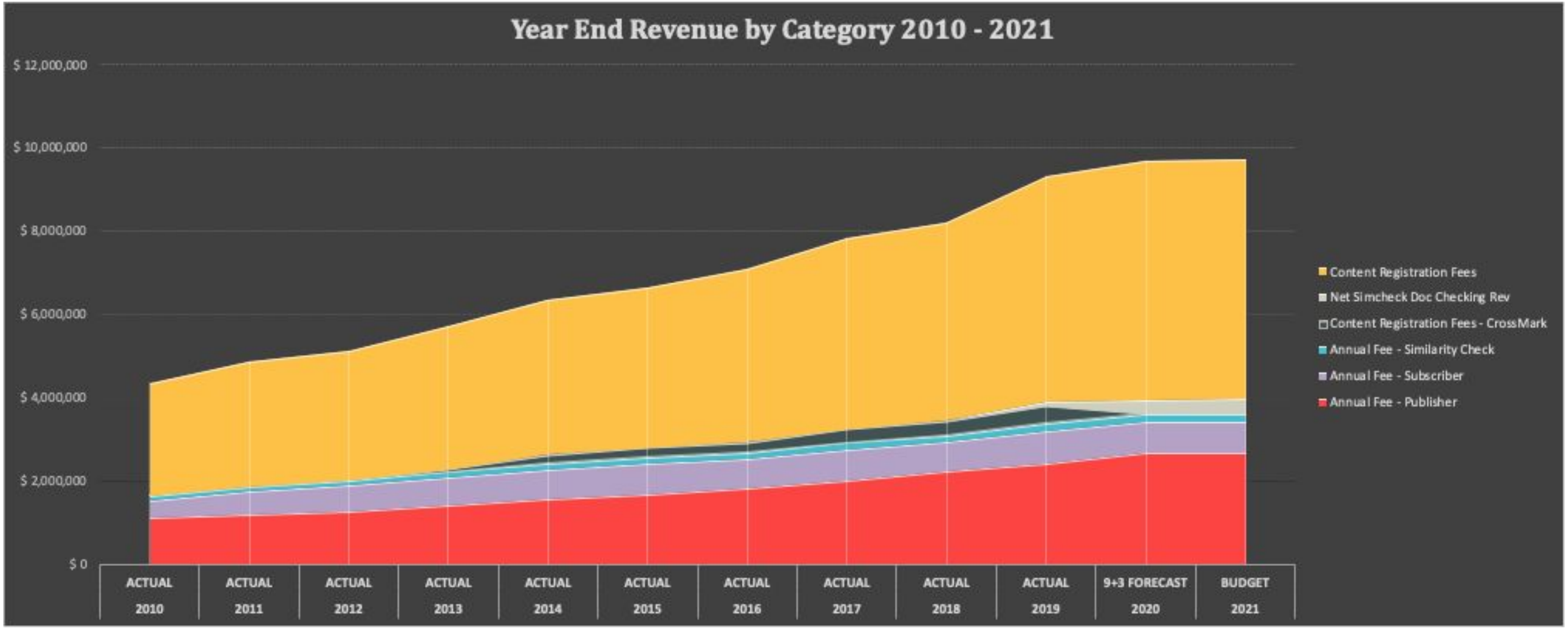
Finance & operations team

- Culture of resource planning
- Reviewing the employment experience at Crossref
- Integrating finance into product and member experience
- Responding to changing circumstances

10 years of financial performance



Revenue categories



2020 performance

- Revenue nearly on budget
- Revenue from membership and content registration continue to grow from last year, up ~10% each
- Expenses under budget by 17%
- Closely monitoring monthly trends

2021 budget

- Conservative revenue growth
- Spending supports priorities:
  - Crossref system improvements and modernization
  - Product improvements
  - Community engagement in a post-Covid world

Q&A

Governance, annual meeting, & board election

Lucy Ofiesh & Emily Cooke

Overview of Crossref governance

- 501(c)6 organization, a trade association
- To be eligible for the Board, a Director must be an employee or officer of a member organization. Once a Director is elected, the member organization can appoint an alternate for such Director. Board seat belongs to the organization, not the individual.
- Board members serve 3-year terms and are eligible for reelection with no term limits
- Corporate officers (Chair and Treasurer) are elected by the board to serve one-year terms, for up to to three consecutive years
- All board members agree to a whistleblower policy and a conflicts of interest disclosure policy

Overview of Crossref governance

The role of the board at Crossref is to provide strategic and financial oversight of the organization, as well as guidance to the Executive Director and the staff leadership team, with the key responsibilities being:

- Setting the strategic direction for the organization;
- Providing financial oversight; and
- Approving new policies and services.

Annual meeting election

- Notice of Annual meeting sent September 30th, 2020
- Review of Nominating Procedure

2020 board nominations

2020 Nominating committee

- Melissa Harrison*, eLife, Cambridge, UK (Chair)
- Scott Delman*, ACM, New York, NY
- Susan Murray*, AJOL, Grahamstown, South Africa
- Tanja Niemann, Erudit, Montreal, Canada
- Arley Soto, Biteca, Bogotá, Colombia

* indicates Crossref board member

Nomination process

- Board composition review
- Public call for nominations
- 72 respondents, a 40% increase from last year
- Committee reviews and discussed candidates

Interested in next year? Stay tuned for the call for expressions of interest in April/May 2021

2021 Board slate

Tier 1, small & mid-sized members

Marin Dacos, OpenEdition

Kihong Kim, Korean Council of Science Editors

Abel Packer, Scientific Electronic Library Online (SciELO)

Wendy Patterson, Beilstein-Institut

Jesse Xiao, The University of Hong Kong

Tier 2, large members

Liz Allen, Taylor & Francis/F1000

James Phillpotts, Oxford University Press

Jason Wilde, AIP Publishing

2021 Board election final results

Tier 1, small & mid-sized members

Marin Dacos, OpenEdition

Kihong Kim, Korean Council of Science Editors

Abel Packer, Scientific Electronic Library Online (SciELO)

Wendy Patterson, Beilstein-Institut

Tier 2, large members

Liz Allen, Taylor & Francis/F1000

James Phillpotts, Oxford University Press

Any other business?

Wrap-up

Ed Pentz

C4DISC

Coalition for Diversity & Inclusion in Scholarly Communications

c4disc.org

Code of conduct

Home > **Code of conduct**

At Crossref, we assume that most people are intelligent and well-intended, and we're not inclined to tell people what to do. However, we want all engagement with Crossref to be safe and productive for everyone involved. To that end, this code of conduct frames our expectations for behavior when interacting with Crossref staff and our community—in person and online—including at our LIVE events during meetings and webinars, through social media, email, support tickets, and forum discussions.

The core of our approach is this: We do not accept harassment or offensive behavior, anywhere. It's counter to Crossref's values and counter to our values as human beings.

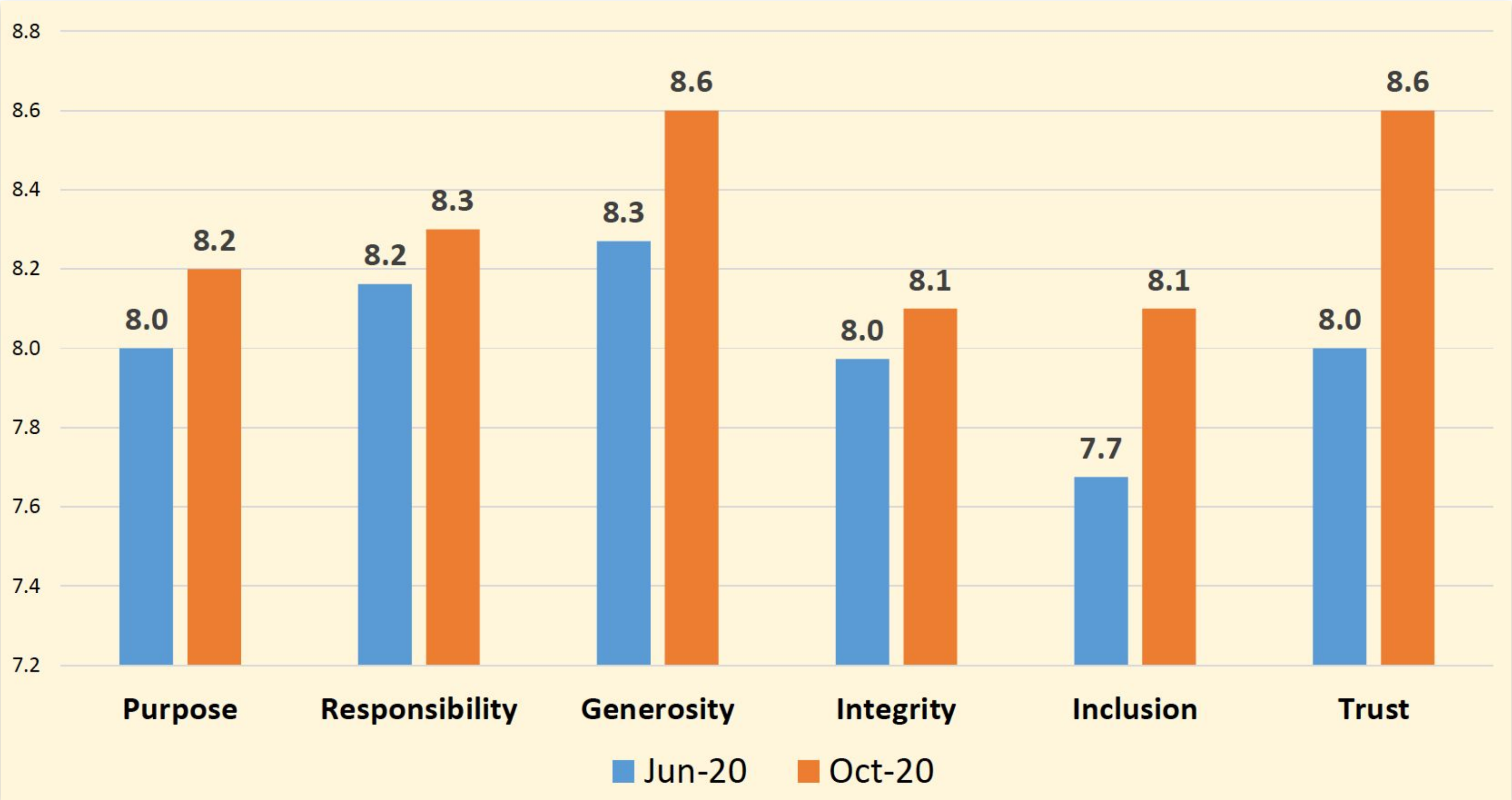
Crossref is dedicated to providing a harassment-free experience for everyone. We welcome your questions, concerns, and feedback relating to any aspect of our work. We ask that you respect all staff and community members, regardless of race, sex, age, sexual orientation, disability, physical appearance, national origin, ethnicity, or religion.

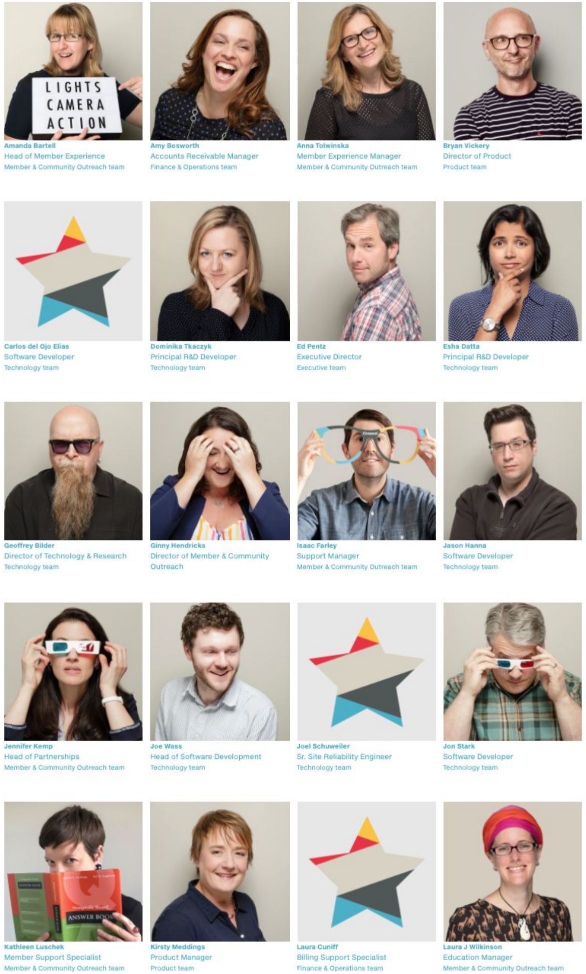
Harassment includes but is not limited to:

- Offensive comments related to race, sex, age, sexual orientation, disability, physical appearance, national origin, ethnicity, or religion.
- Unwelcome comments regarding a person's lifestyle choices and practices.
- Gratuitous or off-topic sexual images or behaviour.
- Physical contact and simulated physical contact (eg, textual descriptions like "*hug*" or "*backrub*") without consent or after a reque to stop.
- Threats of violence.
- Incitement of violence towards any individual, including encouraging a person to commit suicide or to engage in self-harm.
- Deliberate intimidation.
- Stalking or following.
- Harassing photography or recording, including logging online activity for harassment purposes.
- Sustained disruption of discussion.
- Unwelcome sexual attention.
- A pattern of inappropriate social contact, such as requesting/assuming inappropriate levels of intimacy with others.
- "Trolling" i.e. posting inflammatory and digressive, extraneous, or off-topic messages in online communities.
- Continued one-on-one communication after requests to cease.
- Deliberate "outing" of any aspect of a person's identity without their consent.
- Publication of non-harassing private communication.

crossref.org/code-of-conduct

Sense of teamwork grew in 2020!

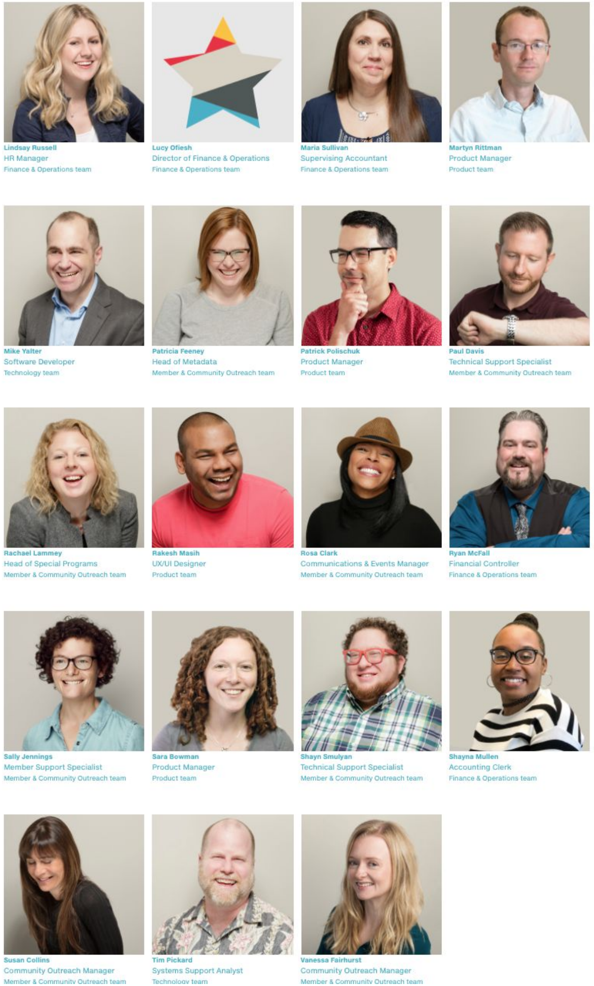




Our people

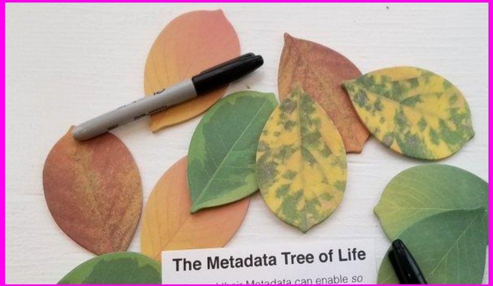
crossref.org/people

crossref.org/people/org-chart









PIDapalooza

Everyone's Favorite Festival of Persistent Identifiers - Now Open 24 Hours!

https://pidapalooza.org







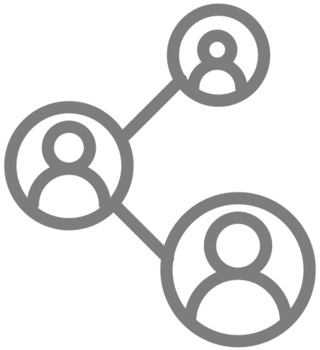


Pulling together for open infrastructure

- Trust and respect = greater ability to achieve joint mission with collaborators in the community
- Humility wins; we must leave our egos at the door
- The Crossref team is strong and determined
- Need to move on from past & misperceptions. Crossref has a clear direction: open infrastructure
- Must not forget the basics - rich metadata, ease of use
- Summary: Crossref is awesome - but we are listening and learning from others
- Can do even better if we join together

Keeping in touch

- Blog crossref.org/blog
- Community forum community.crossref.org
- Webinars & AMAs
- support@crossref.org or feedback@crossref.org
- Working & Advisory Groups
- Bi-monthly email newsletter



Created by Kevin Klein
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Thank you!

feedback@crossref.org

